

Title (en)

ELECTROMAGNET AND ELEVATOR DOOR COUPLER

Title (de)

ELEKTROMAGNET UND AUFZUGSTÜRKUPPLUNGSVORRICHTUNG

Title (fr)

ELECTRO-AIMANT ET COUPLEUR DE PORTES D'ASCENSEUR

Publication

EP 1948548 B1 20130109 (EN)

Application

EP 05810415 A 20051011

Priority

US 2005036584 W 20051011

Abstract (en)

[origin: WO2007044008A1] An elevator door assembly (20) includes an electromagnet (30) use as part of a door coupler for coupling elevator car doors (24) to elevator hoistway doors (26). A disclosed example includes an electromagnet core (40) with a gap (50) in one of four sides of the core. The gap (50) directs and concentrates magnetic flux of the electromagnet (30) to concentrate an attractive force for coupling the electromagnet (30) with a vane (32). Disclosed examples includes unique geometric and dimensional relationships to achieve a desired goodness factor.

IPC 8 full level

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CPC (source: EP US)

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